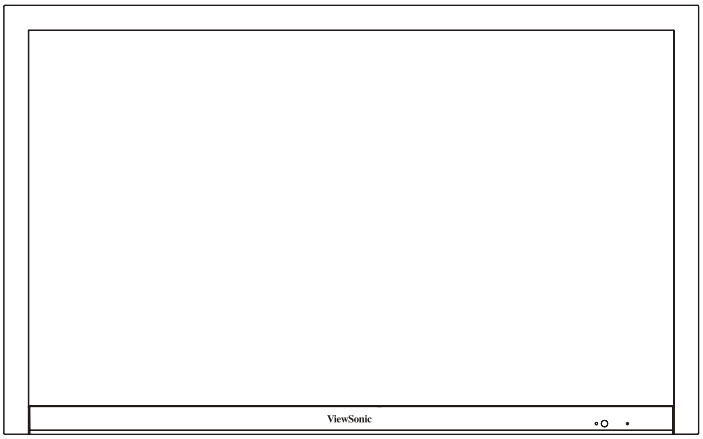
ViewSonic®

VPW4200
VPW4210



User Guide

Guide de l'utilisateur

Guía del usuario

42" PLASMA DISPLAY

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Notes about This Manual

The information in this manual is subject to change without notice.
While meticulous care has been taken in the preparation of this manual, you are requested to notify your dealer or us should you have any comments, views or questions about our product.
Fully understand the prerequisites to using the product, such as hardware and software specifications and constraints, in using the product. We are not held liable for damages caused by improper handling of the product.
Reproduction of this manual in whole or in part without our prior written permission is prohibited.
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In the interest of continuing product improvement, ViewSonic Corporation reserves the right to change product specifications without notice. Information in this document may change without notice.

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Electronic Warranty Registration

To meet your future needs, and to receive any additional product information as it becomes available, please register your screen's warranty on the internet at:

http://www.viewsonic.com

Image Optimization files are also available free of charge at our web site. Go to www.viewsonic.com and select "Support."If you do not have access to the internet or if you require further assistance, contact "Customer Support" on page 37

Important : If this product will be wall mounted, be sure to record the serial number prior to mounting.

For Your Records

Product Name:	**ViewSonic VPW4200/VPW4210**
Model Number:	**VS10180**
Document Number	**A-CD-VPW4200/4210**
Serial Number:	_____
Purchase Date:	_____

Product disposal at end of product life

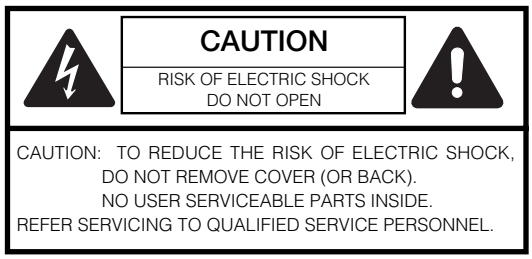
ViewSonic is concerned about the preservation of our environment. Please dispose of this product properly at the end of its useful life. Your local waste disposal company may provide information about proper disposal.

IMPORTANT SAFETY INSTRUCTIONS

SAFETY POINTS YOU SHOULD KNOW ABOUT YOUR PLASMA MONITOR

Our reputation has been built on the quality, performance, and ease of service of ViewSonic Plasma monitor.
Safety is also foremost in our minds in the design of these units. To help you operate these products properly, this section illustrates safety tips which will be of benefit to you. Please read it carefully and apply the knowledge you obtain from it to the proper operation of your ViewSonic Plasma monitor.
Please fill out your warranty card and mail it to ViewSonic. This will enable ViewSonic to notify you promptly in the improbable event that a safety problem should be discovered in your product model.

Follow all warnings and instructions marked on this monitor.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of a sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING:
- TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS MONITOR TO RAIN OR MOISTURE.
- THE MONITOR SHOULD NOT BE EXPOSED TO DRIPPING OR SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHOULD NOT BE PLACED ON THE MONITOR.

NOTE:
- There are no user serviceable parts inside the monitor.
- Model and serial numbers are indicated on back side of the monitor.

CAUTION: Adjust only those controls that are covered in the instructions, as improper changes or modifications not expressly approved by ViewSonic could void the user's authority to operate the monitor.

MODIFICATIONS: The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by ViewSonic. Home Electronics Division may void the user's authority to operate the equipment.

POWER SOURCE

THIS MONITOR IS DESIGNED TO OPERATE ON 120 VOLTS 60Hz, AC CURRENT. INSERT THE POWER CORD INTO A 120 VOLT 60Hz OUTLET.

TO PREVENT ELECTRIC SHOCK, DO NOT USE THE MONITOR'S (POLARIZED) PLUG WITH AN EXTENSION CORD, RECEPTACLE, OR OTHER OUTLET UNLESS THE BLADES AND GROUND TERMINAL CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

NEVER CONNECT THE MONITOR TO DIRECT CURRENT OR ANYTHING OTHER THAN THE SPECIFIED VOLTAGE.

CAUTION: Never remove the back cover of the monitor as this can expose you to very high voltages and other hazards. If the monitor does not operate properly, unplug the monitor and call your authorized dealer or service center.

IMPORTANT SAFETY INSTRUCTIONS

Read before operating the appliance

Follow all warnings and instructions marked on this display.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this appliance near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding- type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and at the point where they exit from the appliance.
11. Only use the attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the appliance. When a cart is used, use caution when moving the cart/appliance combination to avoid injury from tip-over.
13. Unplug this appliance during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the appliance has been damaged in any way, such as when a power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
16. Do not expose this appliance to dripping or splashing. Do not place objects filled with liquids on this appliance.

Do not place any objects on top of the display. They may fall or cause a child to climb up to retrieve the objects.

17. The Shock Hazard Marking and Associated Graphical Symbol is provided on the bottom panel of the unit.
18. This appliance is designed to comply with the recommended safety standards for tilt and stability.
    Do not pull the cabinet with excessive force. Doing so can cause the product to overturn, resulting in damage to the product and/or personal injury.
19. Follow instructions for wall, shelf, or ceiling mounting as recommended by the manufacturer.
20. An outdoor antenna should not be located in the vicinity of overhead power lines or other electrical circuits.

Disposal of this product may require specific instructions pertaining to your resident state. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org.

CAUTION: PREVENTION OF SCREEN BURN IN

Continuous on-screen displays such as video games, stock market quotations, computer generated graphics, and other fixed (non-moving) patterns can cause permanent damage to the display. Such “SCREEN BURN IN” constitute misuse and are NOT COVERED by our Factory Warranty.

PUBLIC VIEWING OF COPYRIGHTED MATERIAL

Public viewing of programs broadcast by display stations and cable companies, as well as programs from other sources, may require prior authorization from the broadcaster or owner of the video program material.

Important

Please read this User's Manual thoroughly, especially the Important Safety Instructions on Pages 2 to 3 and 6 to 10. Misuse may cause damage to your plasma display and could shorten its lifespan, or may even cause injury to yourself. Should you encounter any difficulty in the set-up or operation of your display, refer to the Troubleshooting guide at the back of this manual.
In the unlikely event that there is a problem with your plasma display, switch off the power and unplug the display, and contact your dealer immediately.

CAUTION

Under no circumstances should you remove the back cover of your plasma display.
Never guess or take any chances with electrical equipment of any kind - it is better to be safe than sorry!

Software Notice

It is prohibited for the end user of this product to copy, reverse engineer or reverse compile the software included therein, to the extent permitted by law.

Plasma Display

After the plasma display has been on for any length of time, you will notice that the screen becomes warm. Please note that this is normal.

To prevent scratches or damages to the plasma screen, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a soft cloth. A mild soap may be used if the screen is extremely dirty. Do not use harsh or abrasive cleaners!

CAUTION

Use a soft cloth to clean the cabinet and the control panel of the display. When excessively soiled, dilute a neutral detergent in water, wet and wring out the soft cloth, then wipe the display and afterwards wipe it off with a dry soft cloth.

Never use acid/alkaline detergent, alcoholic detergent, abrasive cleaner, powder soap, Electronic equipment cleaner, car wax, glass cleaner, etc. especially because they would cause discoloration, scratches or cracks.

FEATURES

Enhanced definition plasma display panel

The 42-inch color plasma display panel, with a resolution of 852 (H) x 480 (V) pixels, creates a widescreen picture. This panel features a thin form factor and can be hung on a wall with an optional wall mounting kit.

Clear Picture™ Electronics

Advanced electronics eliminate noise, increase contrast and detail, and optimize color for a rich vibrant image.

Easy-to-use remote control and on screen display system

The included remote control operates all display functions. Further, the on-screen display system, shows the status of the control settings in an easy-to-view fashion.

Power saving system

When connected to a VESA DPMS-compliant PC, the monitor cuts its power consumption while it is idle.

SAFETY INSTRUCTIONS

This Plasma display has been designed and manufactured to meet international safety standards, but like any electrical equipment, care must be taken if you are to obtain the best results and safety is to be assured.
Before using this product, please read and understand the Safety Instructions thoroughly to ensure correct usage, and follow all the instructions.

About the Symbols

Various symbols are used in this manual, the user's manual and on the product itself to ensure correct usage, to prevent danger to the users and to prevent property damage. The meaning of these symbols are described below. It is important that you read these descriptions thoroughly and fully understand the contents.

WARNING This symbol indicates information that, if ignored, could possibly result in personal injury or even death due to incorrect handling.

CAUTION This symbol indicates information that, if ignored, could result possibly in personal injury or physical damage due to incorrect handling.

Typical Symbols

This symbol indicates an additional warning (including cautions). An illustration is provided to clarify the contents.

This symbol indicates a prohibited action. The contents will be clearly indicated in an illustration or adjacent to the symbol (the symbol to the left indicates that disassembly is prohibited).

This symbol indicates a compulsory action. The contents will be clearly indicated in an illustration or adjacent to the symbol. (the symbol to the left indicates that the power plug should be disconnected from the power outlet).

WARNING

Never use the display if a problem occurs.
Abnormalities such as smoke, strange odor, no image, no sound, excessive sound, damaged casing, elements, cables, penetration of liquids, or foreign matter, can cause a fire or electrical shock.
In such cases, immediately turn off the power switch and then disconnect the power plug from the power outlet. After making sure that the smoke or odor has cleared, contact your dealer. Never attempt to make repairs yourself because this could be dangerous.

Disconnect the plug from the power outlet.

Do not insert foreign objects or pour liquids inside the display.
Penetration of liquids or foreign objects could result in a fire or electrical shock. Use special caution in households where children are present.
If liquids or foreign objects should enter the display, immediately turn off the power switch, disconnect the power plug from the power outlet and contact your dealer.
- Do not place the display in a bathroom.
- Do not expose the display to rain or moisture.
- Do not place flower vases, pots, cups, cosmetics, liquids such as water, etc. on or around the display.
- Do not place metals, combustibles, etc. on or around the display.

Never disassemble or modify the display.
The display contains high voltage components. Modification could result in a fire or electrical shock.
- Never remove any cover.

Do not disassemble.

Do not subject the display to shock or impact.
If the display is subject to shock and/or is broken, it could result in an injury, and continued use in such a state could result in fire or electrical shock. If the glass panel is broken or damaged, immediately turn off the power switch, disconnect the power plug from the power outlet and contact your dealer.

Do not place the display on an unstable surface.
If the display should be dropped and/or broken, it could result in an injury, and continued use in such a state could result in fire or electrical shock. Do not place the display on an unstable, slanting or vibrant surface such as a wobbly or inclined stand.

Do not obstruct the ventilation of the display.
If ventilation is obstructed during the operation of the display or just after switching off the power, it could result in damage and shorten the lifespan of your display due to overheating. Make sure there is ample ventilation.
- Keep a space of 100mm (10cm) or more between the sides, rear and top of the display and other objects such as walls.
- Do not place anything around ventilation openings of the display.
- Never block ventilation openings.
- Do not put the plasma screen side up.
- Do not cover the display with a tablecloth, etc.
- Do not place the display on a carpet or bedding, or near a curtain.

Use only the correct power outlet.

Incorrect power supply could result in fire or electrical shock. Use the correct power outlet depending on the indication on the display and the safety standard.

- The enclosed power cord must be used depending on the power outlet to be used.

SAFETY INSTRUCTIONS (continued)

⚠ WARNING

Be cautious of the power cord connection.

Incorrect connection of the power cord could result in fire or electrical shock.

- Do not touch the power cord with a wet hand.
- Check that the connecting portion of the power cord is clean (with no dust), before using. Use a soft and dry cloth to clean the power plug.

- Insert the power plug into a power outlet firmly. Avoid using a loose, unsound outlet or contact failure.
- Do not cut off the fitted power plug, the removal of which could lead to impaired performance. If you wish to extend the lead, obtain an appropriate extension lead or consult your dealer.

Be sure to ground the connection properly.

- Connect the ground terminal of the AC inlet of this display with the ground terminal provided at the power outlet using the enclosed power cord. If the provided plug does not fit your outlet, consult an electrician for replacement of the obsolete outlet.

Surely connect the ground wire.

Be careful when handling the power cord and external connection cables.

Do not use damaged power cords or cables as they can cause a fire or electrical shock. Do not apply excessive heat, pressure or tension to the power cord and cables.

If the power cord or cables are damaged (exposed or broken core wires, etc.), contact your dealer.

- Do not place the display or other heavy objects on the power cord and cables. Also, do not place a spread, cover, etc., over them as this could result in the inadvertent placing of heavy objects on the concealed power cord or cables.
- Do not pull the power cord and cables. When connecting and disconnecting the power cord or cables, do it with your hand holding the plug or connector.

- Do not place the power cord near a heater.
- Do not touch the power plug just after disconnecting it from the power outlet. The static discharge can cause an electric shock.
- Do not touch the power plug during a lightning storm.
- Avoid coiling the power cord and bending it sharply.
- Protect the power cord from being walked on or pinched at particularly at plugs, conveniences receptacles, and at the point where they exit from the panel.
- Do not modify the power cord.

Be careful when handling the batteries of the remote control.

Incorrect handling of the batteries could result in a fire or personal injury. The batteries may explode if not handled properly.

- Keep the batteries away from children and pets. If swallowed, consult a physician immediately for emergency treatment.
- Do not allow the batteries to be exposed to fire or water.
- Avoid fire or high-temperature environments.
- Do not hold the batteries with metallic tweezers.
- Keep the batteries in a dark, cool and dry place.

- Do not short circuit the batteries.
- Do not recharge, disassemble or solder the batteries.
- Do not physically impact the batteries.
- Use only the batteries specified in the manual accompanying this display.
- Make sure the plus and minus terminals are correctly aligned when inserting the batteries.
- If you observe a leakage of the batteries, wipe out the liquid and then replace the batteries. If you spill the liquid on your body or clothes, rinse well with water.
- Obey the local laws when disposing the batteries.

SAFETY INSTRUCTIONS (continued)

⚠ CAUTION

Be careful in moving the display.

Neglect could result in an injury or damage.

- Do not move the display during use. Before moving, disconnect the power plug and all external connections.
- Get the help of another person if you find it difficult to move the display alone.
- Avoid any impact or shock to the display; in particular take care of the glass screen.

Do not put anything on top of the display.

Placing anything on top of the display could result in loss of balance or falling, and can cause an injury or damage. Take special care in households where children are present.

Avoid a humid or dusty place.

Placing the display in a smoke filled, or in a highly humid, dusty place with oily soot or corrosive gas could result in fire or electrical shock.

- Do not place the display near the kitchen, a humidifier or any other place where there is oil, smoke or humidity.

Avoid a high temperature environment.

The heat could have adverse influence on the display and its components, and could result in transformation, melting or fire.

- Do not place the display, the remote control and other parts in direct sunlight or near a hot object such as heater, etc.
- Do not put the display in a place where the temperature varies rapidly.

Remove the power cord when not using the display for a long time.

- For safety, disconnect the power cord if the display is not to be used for prolonged periods of time.
- Before cleaning, turn off and unplug the display. Neglect to do so could result in a fire or electrical shock.

Disconnect the plug from the power outlet.

PRECAUTIONS

Installation environment

Do not obstruct the ventilation slots.

Do not place the display on a carpet or blanket, or near a curtain or anywhere else where there is a possibility of obstructing the ventilation slots of the display.

Do not place the display in the following places.

- Hot places such as near heaters, or in places exposed to the direct rays of the sun.
- Places where the temperature varies rapidly.
- Places with soot, dust or high humidity.
- Places with poor ventilation.
- Places such as near a fire.
- Wet places such as bathrooms, or shower rooms.
- Places where you can trip over the display.
- On objects that vibrate.
- On objects that are unstable.

How to view the display

If you use the display in too dark a room, your eyes may become tired.

Use it in a reasonably bright room.

Avoid direct rays of the sun on the screen to prevent eye fatigue.

Your eyes will get tired after viewing the display for long periods of time.

Relax your eyes by looking away from the display from time to time.

Please watch the display in downward direction.

Notes on image retention

The plasma display illuminates phosphors to display images. The phosphor particles have a finite illumination life. After extended periods of illumination, the brightness of the phosphors will degrade to such an extent that stationary images would burn-in the relevant part of the screen and appear as grayed-out images.

Tips to prevent such image retention:

- Do not display images having sharp brightness differences or high-contrast images, such as monochrome characters and graphic patterns, for long periods of time as this can cause ghost images to form on the screen.
- Do not display stationary images for extended periods of time, but try to change them at appropriate intervals of time, or use screen savers.
- Turn down the contrast and brightness controls.

How to clean the plasma screen panel of the display

Before cleaning the display, turn off the display and disconnect the power plug from the power outlet.

To prevent scratching or damaging the plasma screen, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a soft cloth. If it is not enough, then use a cloth with mild detergent. Do not use harsh or abrasive cleaners.

How to clean the cabinet of the display

Use a soft cloth to clean the cabinet and control panel of the display. When excessively soiled, dilute a neutral detergent in water, wet and wring out the soft cloth, wipe the display and afterwards wipe with a dry soft cloth.

Never use acid/alkaline detergent, alcoholic detergent, abrasive cleaner, powder soap, OA cleaner, car wax, glass cleaner, etc. as they could cause discoloration, scratches or cracks.

SAFETY INSTRUCTIONS (continued)

Prevention of an obstacle to Radio receivers

This display has been designed pursuant to the international EMI standards. This is to prevent a problem to Radio receivers.
- Keep the display away from Radios.
- Adjust Radio antennas in order for the de interference.
- The antenna cable of Radio should be kept away from the display.

You can check if this display influences Radio receivers by turning off all other equipment other than the display.
If you find a problem receiving Radio broadcasts when using the display, check the instructions mentioned above.

Precautions for the cable connection

- Do ensure that all connections, (including the power plug, extension leads and interconnections between the pieces of equipment), are properly made and in accordance with the manufacturers instructions. Switch off and withdraw the power plug before making or changing connections.
- Confirm the connector is fixed tightly when the signal cable is connected.
  Also confirm the screws on the connector are tightened.
- Plug the power cord of the display into a different socket from that for other equipment, such as Radio etc.
- Use a plug with ground terminal and make sure that it connects to the ground.

Precaution during transportation

Please pay attention when you transport this display because it is heavy.
Furthermore, use the original carton box and its packaging materials when the display is transported.
Failure to transport the display in any carton except the original carton may result in damage to the display.
Save the original carton box and all packing material.

Do not physically impact the remote control.
A physical impact could cause damage or malfunction of the remote control.
• Take care not to drop the remote control.
• Do not place heavy objects on the remote control.

Avoid strong rays.
Any strong rays (such as direct sun rays or room lighting) onto the remote control sensors could invalidate the remote control signal.

Avoid radio interference.
Any interfering radiation could cause distorted images or noises.
• Avoid radio generators such as a mobile telephone, transceiver, etc. around the display.

Precautions for the installation

- Do not use makeshift stands and NEVER fix legs with wood screws - to ensure complete safety, always fit the manufacturers approved stand or legs with the parts provided according to the instructions.
- Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- This product is designed to comply with the recommended safety standards for tilt and stability. Do not apply excessive pulling force to the front, or top, of the cabinet that could cause the product to overturn resulting in product damage and/or personal injury.
- Follow instructions for wall, shelf or ceiling mounting as recommended by the manufacturer.
- Only use the attachments/accessories specified by the manufacturer.
- Consult your dealer if you are in any doubt about installation, operation or safety of your equipment.

Other precautions

- Do not leave equipment switched on when it is unattended unless it is specifically stated that it is designed for unattended operation or has a stand-by mode.
- Disposal of this product may require specific instructions pertaining to your resident region.
- Never guess or take any chances with electrical equipment of any kind - it is better to be safe than sorry!

SAFETY INSTRUCTIONS (continued)

• FCC (Federal Communications Commission) STATEMENT WARNING

For model VS10180

WARNING : This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a paricular installation. If this equipment does cause harmful inerference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from where the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

Instructions to Users : This equipment complies with the requirements of FCC (Federal Communication Commission) regulations, provided that following conditions are met.

Video inputs : The input signal amplitude must not exceed the specified level.

CAUTION : Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMAGE RETENTION PREVENTION

Image Retention

Image Retention can be an issue for all plasma displays. However if you follow the simple guidelines listed below you can enjoy many years of viewing. ViewSonic has included a number of features in our range of plasma Televisions and Monitors which help to reduce image retention and temporary image. Please refer to the user manual for this model for instruction on how to use these features.

Rétention d'image

La rétention peut être un problème pour les écrans plasma. Néanmoins si vous suivez les simples instructions suivantes, vous pourrez profiter de votre écrans pendant de longues années.
ViewSonic a pourvu ses écrans Plasma TV et moniteurs de fonctions permettant de réduire la rétention d'image et les images temporaires. Veuillez s'il vous plaît vérifier dans le mode d'emploi de ce modèle comment utiliser ces fonctions.

Retención de Imagen

La Retención de Imagen puede ser un inconveniente para todas las pantallas de plasma. Sin embargo si sigue estas recomendaciones que aparecen debajo, podrá disfrutar durante más años de una correcta visualización.
ViewSonic ha incluido una serie de caracteristicas en su gama de plasma Television y Monitor que pueden ayudar a reducir la retención de imagen y la imagen temporal.
Por fovor consulte el manual del usuario de este modelo concreto para instrucciones de cómo utilizar estas caraterísticas.

Examples of Image Retention / Exemples de Rétention d'Image / Ejemplos de Retención de Imagen

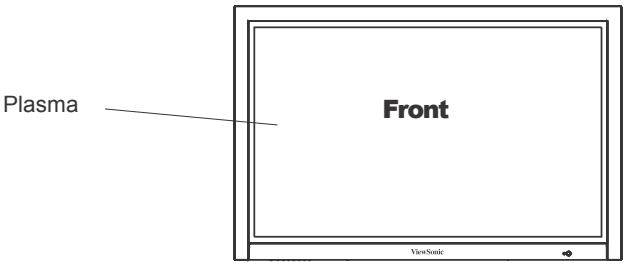
* Always display the image in a mode that fills the screen.
* Avoid using split screen modes for long periods of time.
* Do not allow the "On Screen display" to stay on for long periods of time.
* Do not display still images, such as menus from game consoles, Teletext, and PCs for a long period of time.
* Reduce the "Contrast" and "Brightness"level as much as possible.

* Vérifiez toujours que le format d'image que vous utilisez est constamment adapté à l'écran.
* Evitez d'utiliser le mode de séparation d'écran sur une longue période.
* Ne pas laisser le menu à l'écran affiché pendant de longues périodes.
* Ne pas afficher des images fixes, comme les menus des jeux vidéo, télétexte, ordinateurs ou Logos sur l'écran pendant de longues périodes.
* Nous vous recommandons également de régler le contraste et la luminosité à un niveau le plus faible possible.

* Visualize la imagen en un mode que llene toda la pantalla.
* Evite el uso de los modos de pantalla partida durante largos periodos de tiempo.
* No permita que el Menú en Pantalla (OSD) permanezca durante periodos de tiempo prolongados.
* No muestre imágenes fijas como menús de videoconsolas, Teletexto, PC o logos en el panel durante largos periodos de tiempo.
* Recomendamos que el nivel de "Contraste" y "Brillo" se reduzca tanto como sea posible.

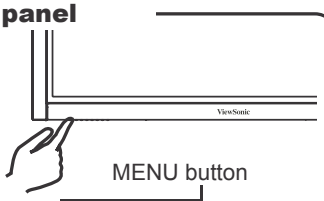
COMPONENT NAMES

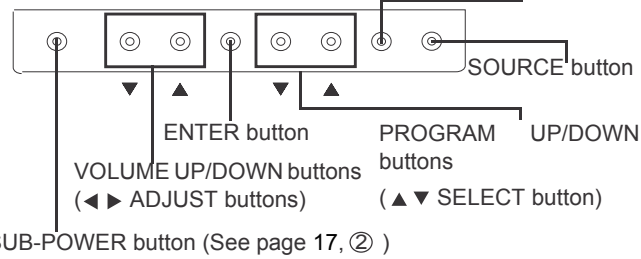
Main Unit



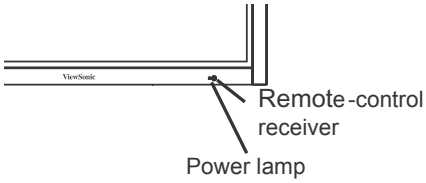
Control panel

- Adjustment buttons are located on the bottom.
- The back cover is provided with indications to distinguish the adjustment buttons.

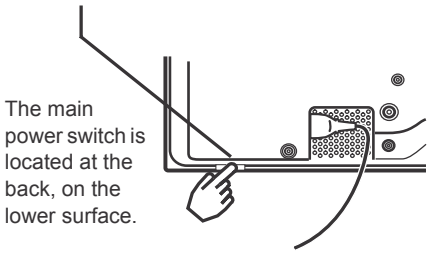




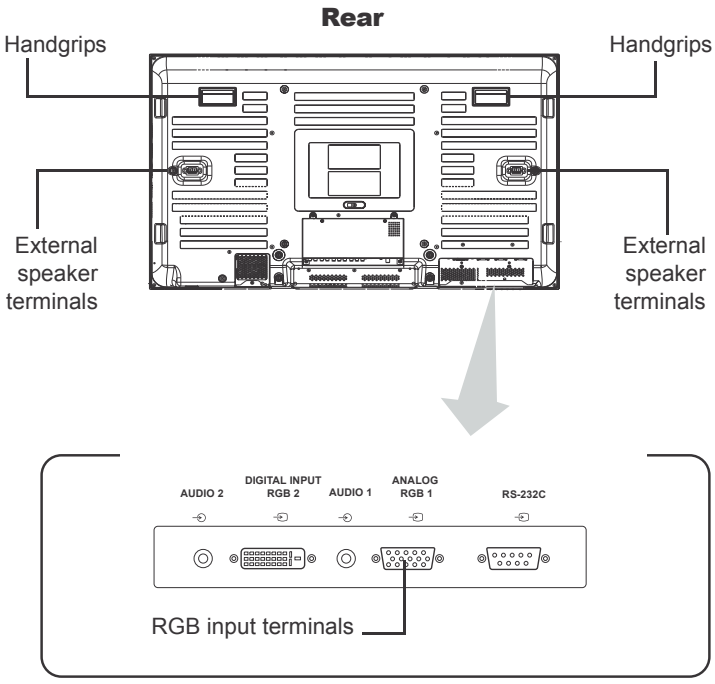
- () indicates the function while the MENU is displayed on the screen.



Main power switch (See page 17, ①)

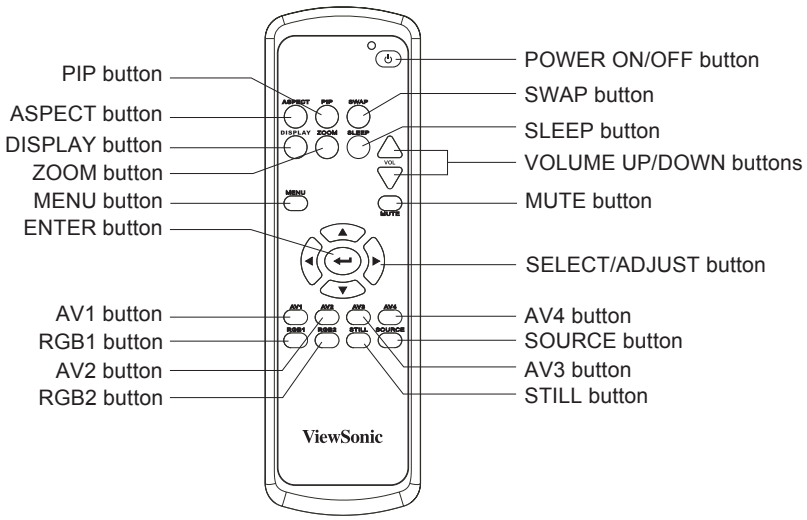


Rear



COMPONENT NAMES (continued)

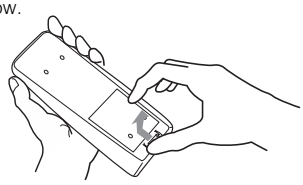
Remote control



Loading Batteries

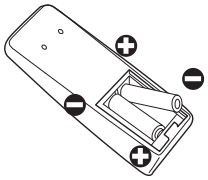
1. Open the battery cover.

- Slide back and remove the battery cover in the direction of the arrow.



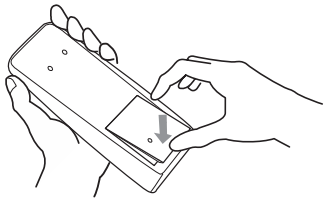
2. Load batteries.

- Load two Size AAA batteries included observing the correct polarities.



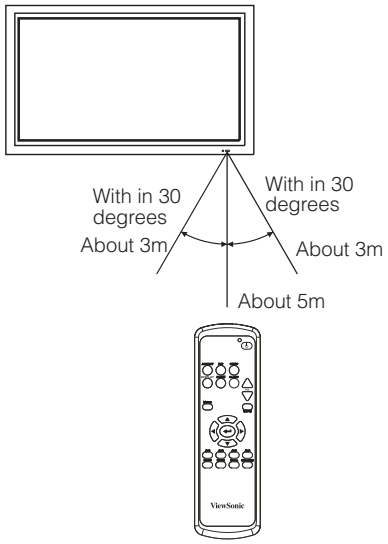
3. Close the battery cover.

- Replace the battery cover in the direction of the arrow and snap it back into place.



Handling the Remote Control

Use the remote control within about 5m from the front of the unit's remote-control sensor and within 30 degrees on both sides.



⚠ CAUTION

- Do not use new and old batteries together. The batteries could explode or leak, resulting in fires, physical injury, or stains.
- When loading batteries, observe their correct polarities as marked on the product. If loaded in the wrong direction, the batteries could explode or leak, resulting in fires, physical injury, or stains.

ATTENTION

- Do not drop or impact the remote control.
- Do not splash the remote control with water or put it on a wet object.
- Before leaving the remote control out of use for an extended period of time, remove the batteries from it.
- If the remote control begins to lack responsiveness, replace the batteries.
- Strong light, such as direct sunlight, shining on the photoreceptor of the remote control can cause operational failure. Position this unit to avoid direct contact with such light.

INSTALLATION INSTRUCTIONS

Installation

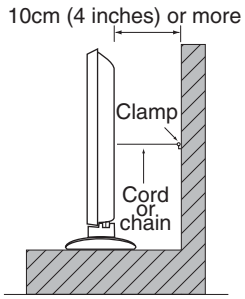
• If you have purchased the model without the stand attached:
When installing the monitor, use the optional Desktop Stand.
The Desktop Stand has been used for the illustrations in this manual.

⚠ WARNING

Use one of the special mount units to install this product. A mount of insufficient strength or inadequate design can cause overturning or dropping and result in fire, electrical shock or injury. Please note that our company assumes absolutely no responsibility for personal injuries or property damage caused by use of other mount units or improper installation.

⚠ CAUTION

- Installation of the wall mount unit and ceiling mount unit can be dangerous, so do not attempt this work yourself. Ask your dealer to provide the name of a qualified installer.
- In order to prevent an internal temperature increase, maintain a space of 10cm (4 inches : For a desktop set-up) or more between the sides and other objects such as walls, etc., so that the ventilation holes are not blocked.(*)



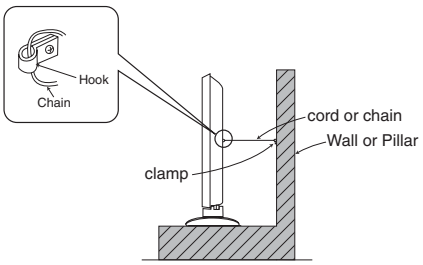
Anti-tumble measures

⚠ CAUTION

Have this unit mounted in a stable place. Take measures to prevent it from tumbling down to avoid possible physical injury.

Securing to a wall or pillar

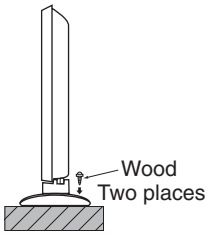
Using a commercially available cord, chain and clamp, secure the set to a firm wall or pillar.



Securing desktop

1) Using wood screws (two), fasten the set to the clamping screw holes on the rear of the stand as shown.

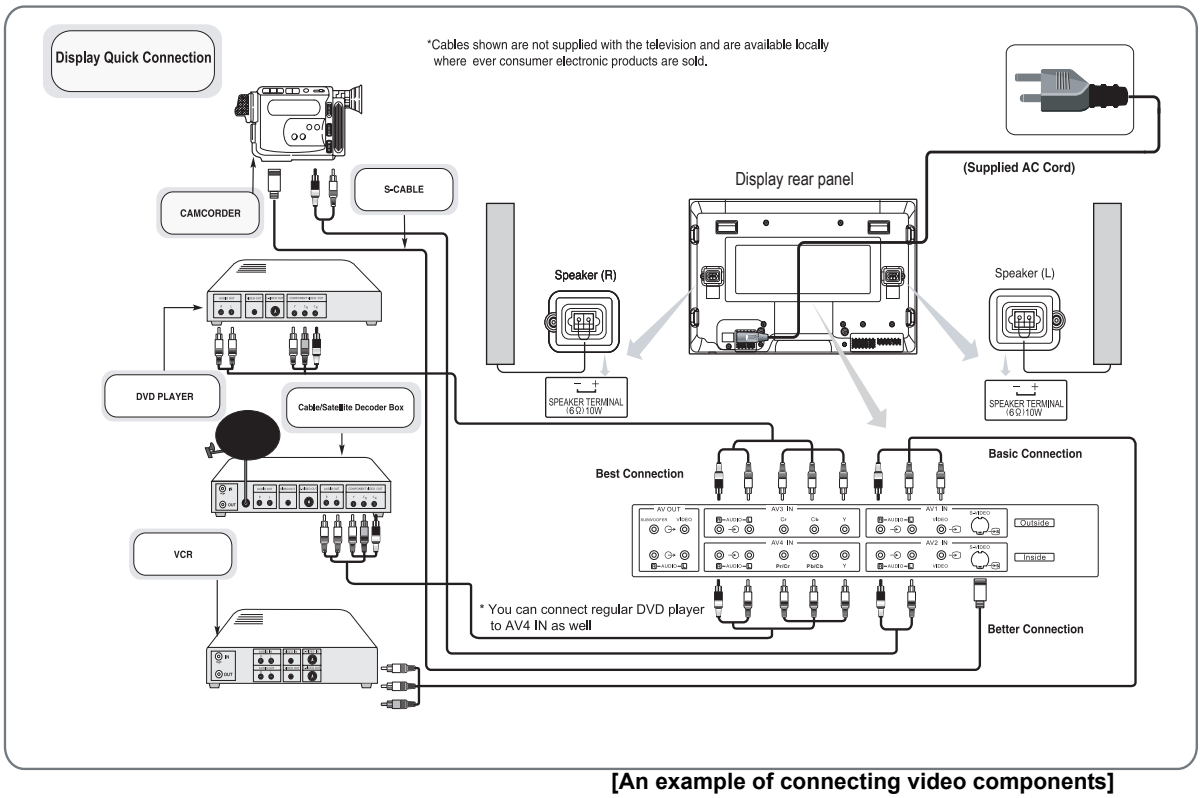
2) Using commercially available wood screws, secure the set firmly in position.



INSTALLATION INSTRUCTIONS (continued)

Connecting to Video Components

(1) Make sure that the power switch of the display is turned off.
(2) Make sure that the power switch of the Video component is turned off.



[An example of connecting video components]

- If the OUTPUT (MONITOR) terminal is connected to a 2nd monitor, it is possible to view the same image as on the main source. The composite video signal from AV1, AV2 input will be displayed on both screens at the same time.

Applicable video signals for each input terminal

(See page 33~36 for details)

Terminal	RCA			DVI	D-sub	Remarks
Type	Composite	S-video	Component	PC/STB	RGB	
AV1	O	O				Refer to P18
AV2	O	O				Refer to P18
AV3			O			480i Video Signal only
AV4			O			1080i/720P/480P/480i inputs. Refer to P18
RGB1					O	Refer to P18
RGB2				O		Refer to P18

(O: Available)

INSTALLATION INSTRUCTIONS (continued)

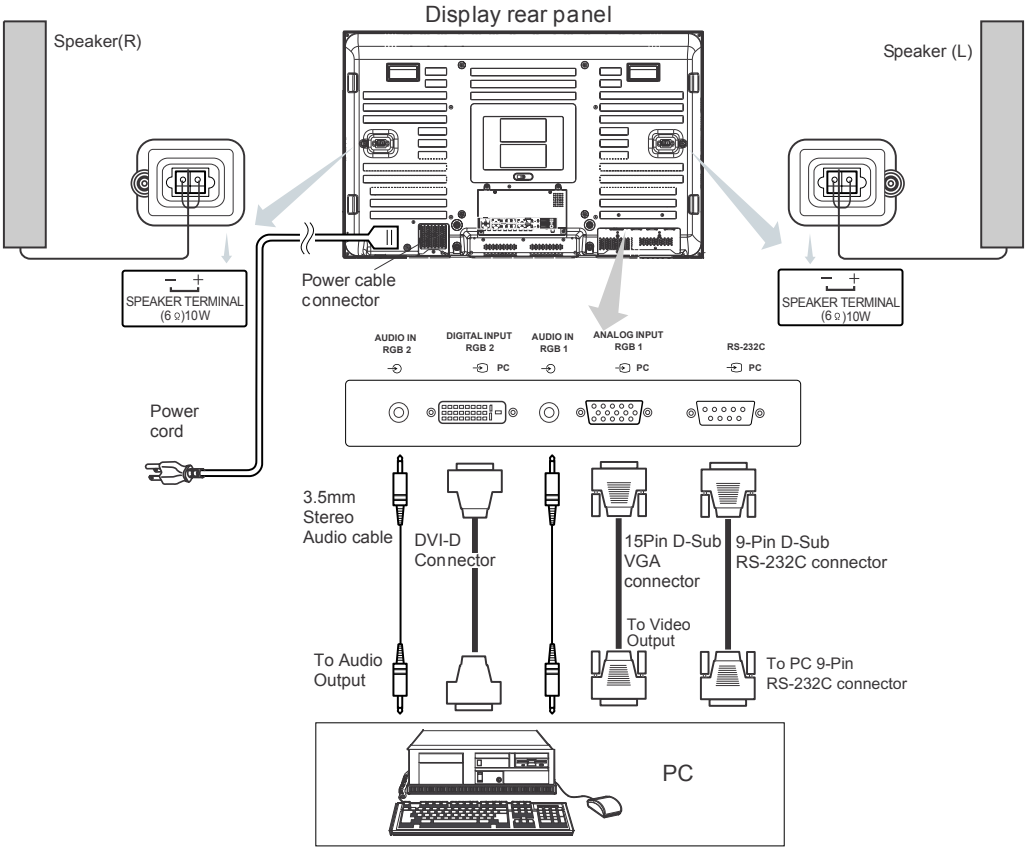
- **Choose an appropriate site and install the product on a level table where the stand is secure.**
  - Ensure that a power socket is readily accessible near the place where you install the display.
- **Make sure that the power switch of this device is turned off.**

Connecting to a PC

(1) Make sure that the display signal of the personal computer to be used is compatible with the specifications of this device.
- See "Product Specifications" concerning the specifications of this device.

(2) Make sure that the power switch of the personal computer is turned off.

(3) Connect the signal input terminal (RGB 1 or RGB 2) on the rear panel of this device to the display signal output terminal of the personal computer.
- Use a cable that fits the input terminal of this device and the output terminal of the personal computer.
- Depending on the type of personal computer being connected, the use of an optional conversion adapter or the adapter provided with the personal computer may be necessary in some cases. For details, refer to the instruction manual of the personal computer or ask the personal computer manufacturer or your local retail dealer.



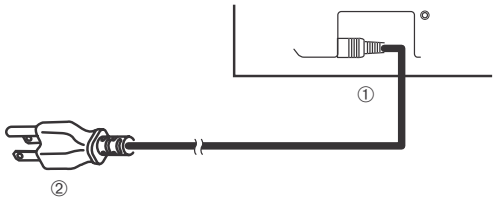
Note	• Please refer to the caution regarding prevention of screen burn in on page 3.

Subwoofer Output provides a single un-amplified audio output that passes along the audio signal from the Plasma display.
Note: When using a Home Theater audio system with this Plasma display, please connect the sub woofer (if originally supplied with the audio system) directly to the Home Theater components subwoofer terminal.

INSTALLATION INSTRUCTIONS (continued)

Power Cord Connection

Connect the power cord, after completing all other connections.

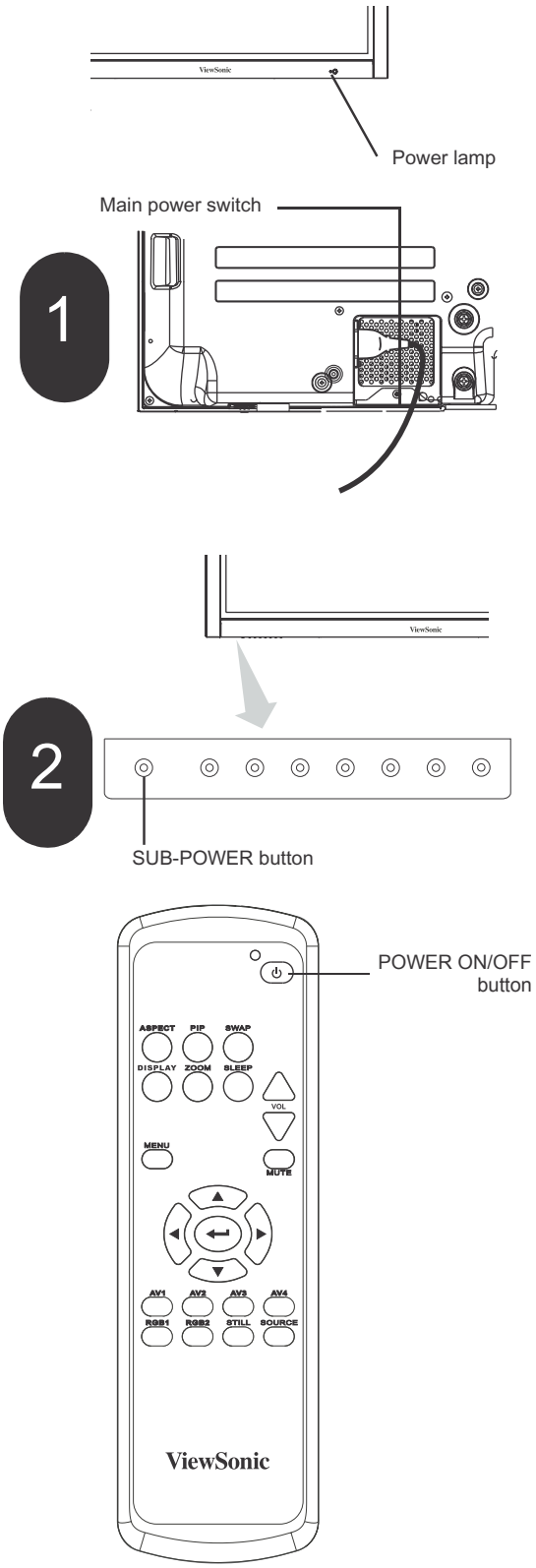


① Connect the power cord to the rear of the display.
② Connect the power cord plug to the power outlet.
(The type of plug is different from this drawing for some countries.)

⚠ CAUTION

- Use only the power cord provided.
- Do not use a power supply voltage other than that indicated (AC100-240V, 50/60Hz) as this may cause fire or electric shock.

OPERATING INSTRUCTIONS



Turning Power On and Off

① To turn the display power ON, press the main power switch on the main unit to ON; the power lamp will light and turn to green, the display will turn on.

② To turn the display power ON/OFF, press the SUB POWER button or the ON/OFF button on the remote control.

- Note: During normal use, the main power switch is set in the ON position.

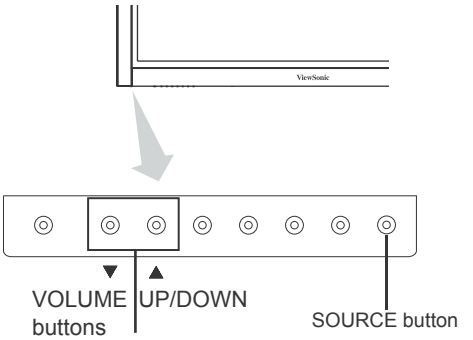
Power lamp

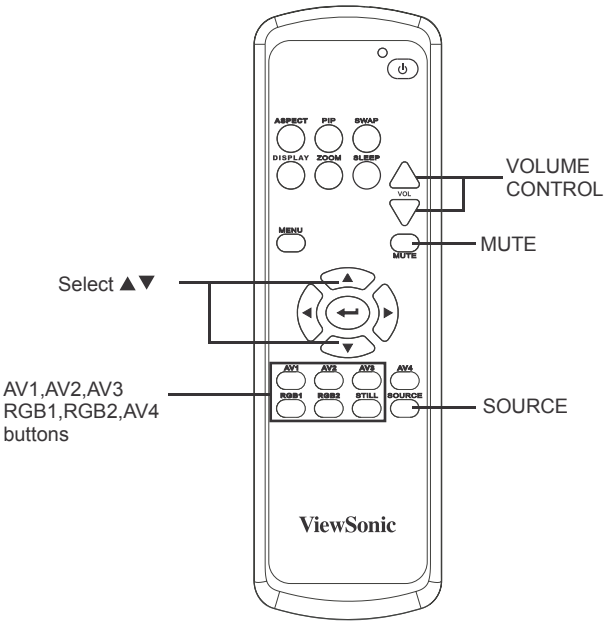
Power lamp	AV status	Operation
Off	Off	When the main power switch is set to OFF.
Lights red	Off (standby)	When the main power switch is ON, and the OFF button on the remote control or the SUB POWER button on the underside of the front of the frame is OFF.
Lights green	On	When the main power switch is ON, and the ON button on the remote control or the SUB POWER button on the underside of the front of the frame is ON.
Lights orange	Off (Power Save)	When the main power switch is ON, and the PC is in power save mode.

When the indicator lamp lights orange or the message “No cable connected” or “Going to sleep” appears on the screen, there is something abnormal about the status of the reception.
See Trouble Shooting.

CAUTION
- Avoid repeatedly turning the display on and off at short time intervals. Failures might result from doing so.
- Turn off the main power switch before leaving the display out of use for an extended period of time.
- If a power failure occurs while the main unit is running, it would be powered on upon recovery from the failure. Turn off the main power switch when a power failure occurs.

OPERATING INSTRUCTIONS (continued)



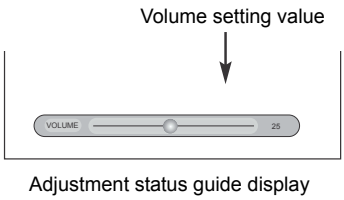


Selecting AV Inputs

- **Input can be switched by pressing the AV1, AV2, AV3, AV4, RGB1, or RGB2 buttons**
- **Input can be switched in the sequence AV1-Video → AV1-SVideo → AV2-Video → AV2-SVideo → AV3 YCbCr → AV4 YPbPr/YCbCr → RGB1 VGA → RGB2 DVI-D by pressing the SOURCE button and then select the Input with the select keys ▲ ▼and then press the ENTER button.To select a AV station, press the AV1 button.**

Volume Adjustment

The volume can be adjusted by pressing the▲ and ▼ buttons of the remote control (or the ▲ + and ▼- volume buttons of the display).



Adjustment status guide display

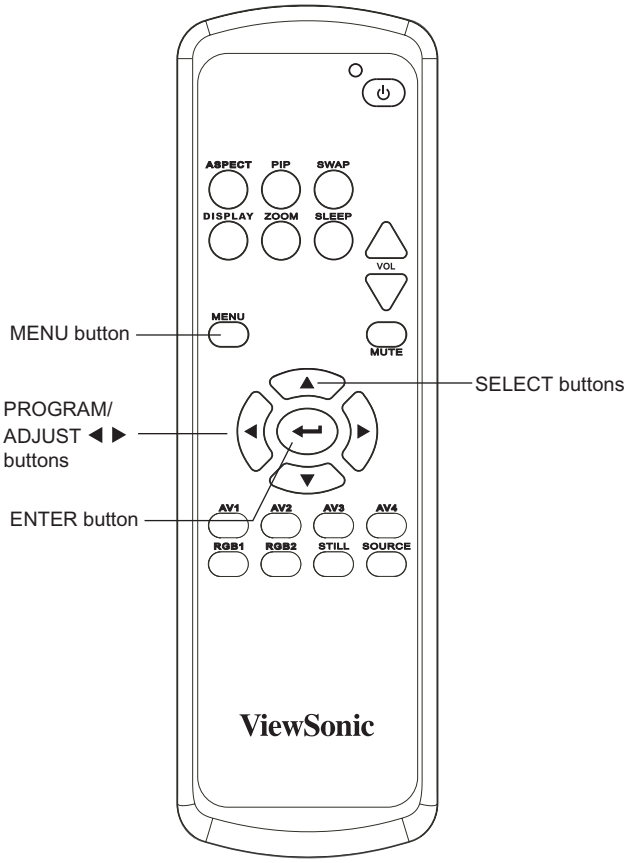
- **When the volume buttons are pressed, the volume adjustment status guide will be displayed.**
  - The volume will increase when the VOL+ (or ▲) button is pressed while the guide is being displayed.
  - The volume will decrease when the VOL- (or ▼) button is pressed while the guide is being displayed.

Audio Mute

The audio volume can be temporarily muted by pressing the MUTE button of the remote control.

- **When the MUTE button is pressed, the above icon will appear.**
  - The volume setting can be lowered by pressing the VOL- button while the audio is muted.
  - Muting can be cancelled by pressing the VOL+ button or the MUTE button while the audio is muted.

OPERATING INSTRUCTIONS (continued)

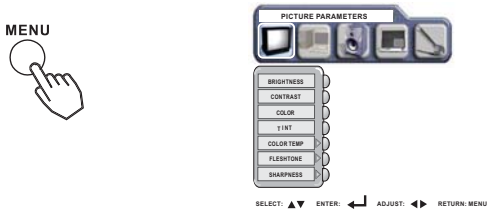


Using the Menu Screen (On-screen display system)

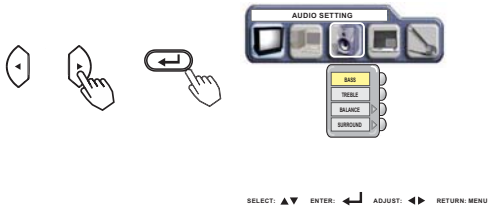
When the MENU button is pressed, the adjustment menu screen will appear. Adjustment and setting are possible by using the SELECT buttons, PROGRAM ADJUST buttons and the ENTER button.

Example: Selecting the picture screen

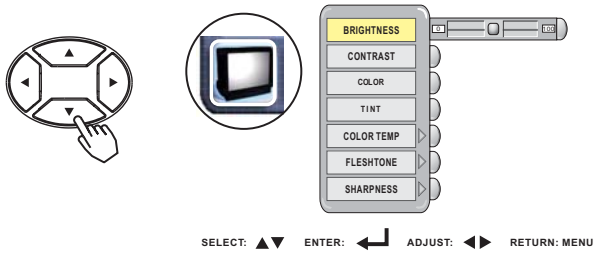
1. Press the MENU button to display the Main Menu screen.



2. Select the Picture Parameters screen with the ◀ and ▶ PROGRAM ADJUST buttons and press the ENTER button.

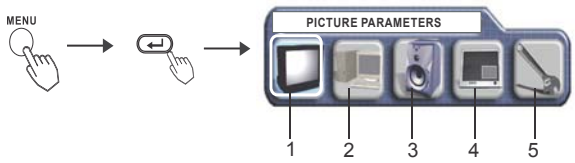


3. Use the ▲ and ▼ SELECT buttons to select the item to be adjusted and then use the ◀ and ▶ ADJUST buttons to adjust (example: Brightness.)



- Press the MENU button to return to the previous screen.
- If there is no operation for a period of one minute, the Adjustment Menu screen will disappear.

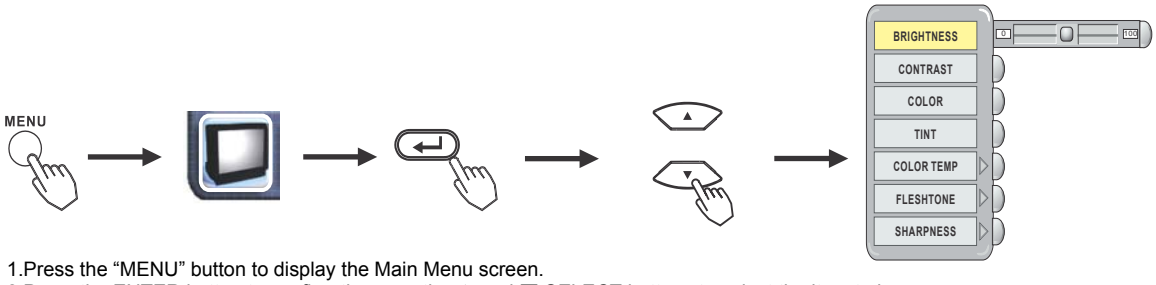
OPERATING INSTRUCTIONS (continued)



Main buttons:

1. PICTURE PARAMETERS MENU
2. PC PARAMETERS MENU
3. AUDIO SETTING MENU
4. PICTURE-in-PICTURE MENU
5. GENERAL SETTING MENU

Picture Parameters

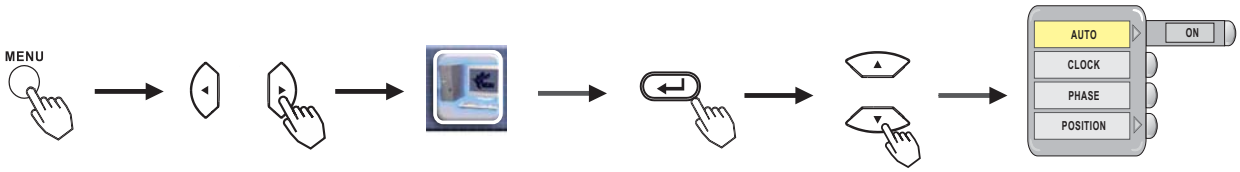


1.Press the “MENU” button to display the Main Menu screen.
2.Press the ENTER button to confirm then use the ▲ and ▼ SELECT buttons to select the item to be adjusted and then use the ◀ and ▶ ADJUST buttons to adjust the selected items.

Selected characters	◀	▶	Setup hint
BRIGHTNESS	Black is increased for overall darkness.	Black is decreased for overall brightness.	Adjust as desired.
CONTRAST	Narrows the gap between light and dark.	Broadens the gap between light and dark.	Adjust for maximum visibility to suit the ambient brightness.
COLOR	Decrease color level.	Increase color level.	Adjust as desired.
TINT	Enhances red and weakens green.	Enhances green and weakens red.	This cannot be adjusted when receiving the PAL/SECAM signal. and will be greyed out. Adjust as desired for photo realistic skin color.
COLOR TEMP	COOL ◀▶ USER R ◀▶ USER G ◀▶ USER B ◀▶ WARM ◀▶ NORMAL		Normally set to Cool.
FLESHTONE	ON	OFF	Set to ON for richer skin color.
SHARPNESS	Softens picture	Sharpens picture	Normally set to the center position.

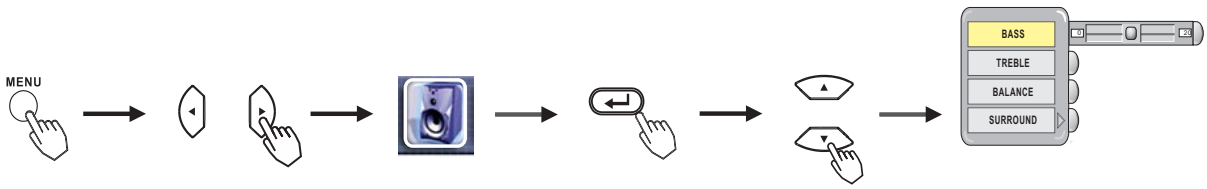
OPERATING INSTRUCTIONS (continued)

PC Parameters



Selected characters			Setup hint
AUTO	Press the ENTER button to make the word “ON” light on.		Normally set to off mode. Adjust automatically for clock, phase and position.
CLOCK	Reduces the dot clock	Increases the dot clock	Adjust for maximum character clarity.
PHASE	Slows the dot clock Phase	Advances the dot clock Phase	Adjust for clear character visibility.
POSITION	Press the PROGRAM button to adjust the display position		Adjust the horizontal and vertical display positions.

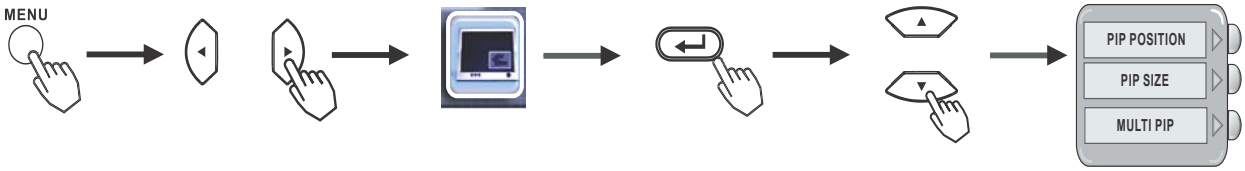
Audio Setting



Selected characters			Setup hint
BASS	Decreases bass.	Increases bass.	Adjust as desired.
TREBLE	Decreases treble.	Increases treble.	Adjust as desired.
BALANCE	Decreases right volume level.	Increases left volume level.	Adjust as desired.
SURROUND	OFF ↔ BASIC ↔ ENHANCED		Creates a surround sound effect.

OPERATING INSTRUCTIONS (continued)

Picture-in-Picture



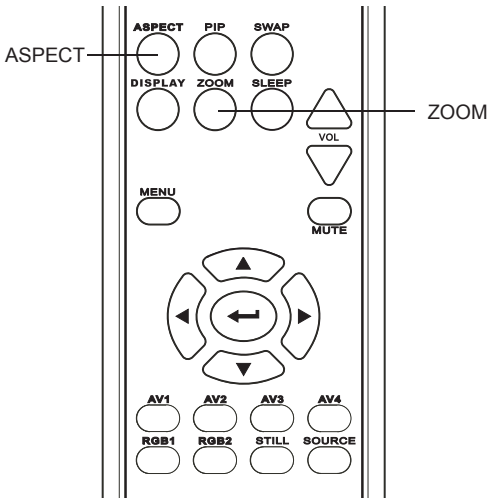
PIP function description

Selected characters	◄	►	Setup hint
PIP POSITION	Use the ▲ ▼ buttons to adjust pictures to the up or down positions. Use the ◄ ► buttons to adjust pictures to the right or left positions.s		Change PIP display position.
PIP SIZE	OFF → SMALL → MEDIUM → LARGE → SPLIT		Change PIP display Size.
MULTI PIP	OFF--PIP(1+12)--PIP(1+8)--PIP(1+3)		use the ▲ ▼/ ◄ ► buttons to select the PIP setting.

OPERATING INSTRUCTIONS (continued)

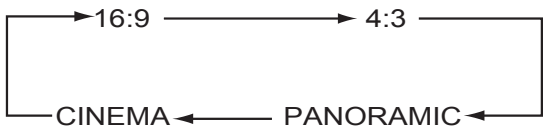
ASPECT

The ASPECT button will select how the video image appears on the TV's screen.



There are 4 selections.

16:9	Displays a wide screen image
4:3	Displays a 4:3 square picture with letterbox bands
PANORAMIC	Stretches the picture to fill the screen, while leaving images in the center of the picture the same.
CINEMA	Magnifies the image to fill the screen with a picture.



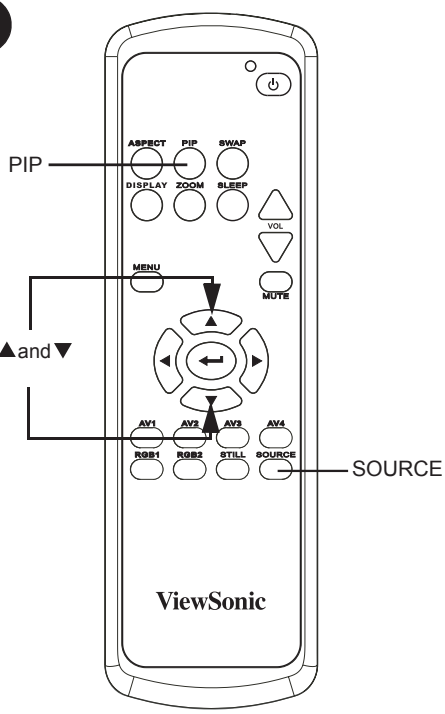
Note: For RGB1 VGA, RGB 2 DVI and AV4, you can select 4:3 and 16:9 aspect mode.

ZOOM

Each time the ZOOM button of the remote control is pressed, the image on the screen will be enlarged. There are 10 selections, Zoom 0(=Normal size) to Zoom 9.

OPERATING INSTRUCTIONS (continued)

PICTURE IN PICTURE (PIP)



Selecting PIP size

When the PIP button on the remote control is pressed, a black box will appear on the screen.

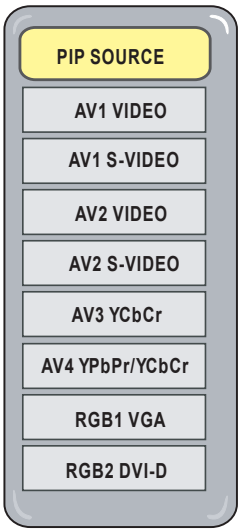
Each time the PIP button is pressed, the size of box changes as follows.

OFF → SMALL → MEDIUM → LARGE → SPLIT

SMALL MEDIUM LARGE SPLIT PIP-OFF

Selecting PIP Source

While a black box appears on the screen, press SOURCE button and PIP SOURCE menu appears.
Picture mode will change in the following sequence, each time the remote button is pressed.
Select the SOURCE by using the ▲ ▼ select keys on the remote control. Then, press the ↵ ENTER button.

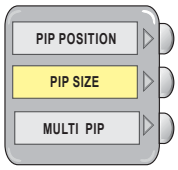


OPERATING INSTRUCTIONS (continued)

PICTURE IN PICTURE (Continued)

Setting Up PIP through On Screen Main Menu

1. Press the "MENU" button to display the Main Menu screen.
2.Select " PICTURE IN PICTURE" Menu with ◄ ► ADJUST button and press ↵ ENTER button, then following menu will appear.



Select PIP size

1. Press ↵ ENTER button.
2. Select the PIP size with ▲ ▼ SELECT button.
3. Press ↵ ENTER button.
4. Press "MENU" button 2 times to return to PICTURE IN PICTURE Main Menu.
5. Press "MENU" to exit.

Select PIP Source

While a black box appears on the screen, press SOURCE button and PIP source MENU appears. Select the SOURCE by using the ▲ ▼ SELECT buttons on the remote control. Then press the ↵ ENTER button.

PIP Combination Table

Availble signals are limited in PIP mode as shown in the table below.

		Sub Source							
		RGB1 VGA	RGB2 DVI	AV1 VIDEO	AV1 S-VIDEO	AV2 VIDEO	AV2 S-VIDEO	AV3 YCbCr	AV4 YPbPr/ YCbCr
Main Source	RGB1 VGA	X	O	O	O	O	O	O	X
	RGB2 DVI	O	X	O	O	O	O	O	O
	AV1 VIDEO	O	O	X	X	O	O	X	O
	AV1 S-VIDEO	O	O	X	X	O	O	X	O
	AV2 VIDEO	O	O	O	O	X	X	X	O
	AV2 S-VIDEO	O	O	O	O	X	X	X	O
	AV3 YCbCr	O	O	O	O	O	O	X	O
	AV4 YPbPr/ YCbCr	X	O	O	O	O	O	O	X

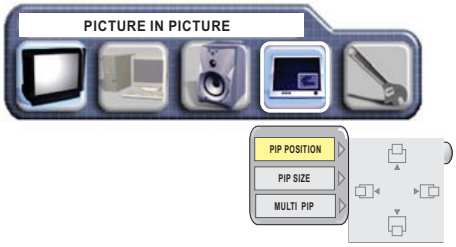
OPERATING INSTRUCTIONS (continued)

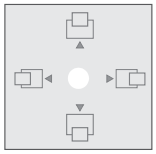
PICTURE IN PICTURE (Continued)

Change PIP Position

After selecting PIP Size and PIP Source,

1. Press the "MENU" button to display on the On Screen Main Manu.
2. Select "PICTURE IN PICTURE" Menu with ◄ ► ADJUST button.
3. Press ENTER button. The following Menu and a diagram will appear.
4. Press the ENTER Key and a white ball appears in the center of the diagram.



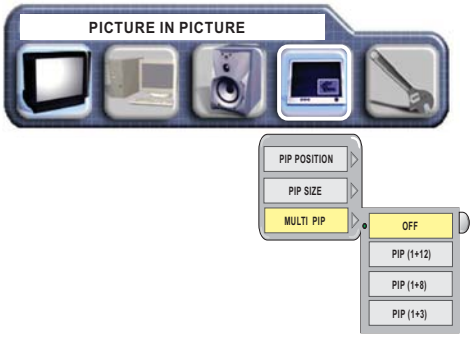


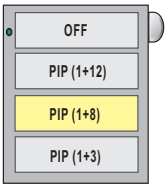
5. Move the PIP display with ▲ ▼ SELECT and ◄ ► ADJUST buttons.
6. Press "MENU" button 2 times to return to "PICTURE IN PICTURE" Menu.
7. Press "MENU"button to exit.

Multi PIP

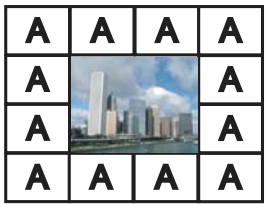
After selecting PIP Size and PIP Source

1. Press the "MENU" button to display on the On Screen Main Manu.
2. Select "PICTURE IN PICTURE" Menu with ◄ ► ADJUST button.
3. Press ENTER button. The following Menu and a diagram will appear.
4. Select Multi PIP with ▲ ▼ SELECT button.

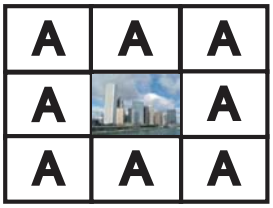




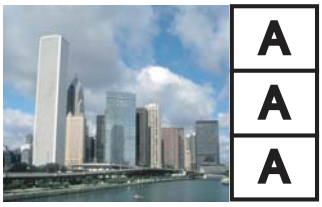
5. Select the PIP display mode with ▲ ▼ SELECT buttons.
6. Press "MENU" key 2 times to return to "PICTURE IN PICTURE" Menu.
7. Press "MENU" to exit.



PIP(1+12)



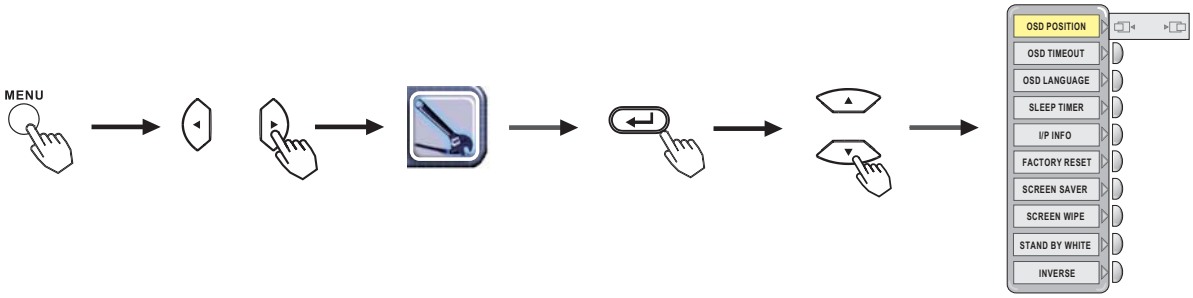
PIP(1+8)



PIP(1+3)

OPERATING INSTRUCTIONS (continued)

General Setting



Selected characters	▲	▼	Setup hint
OSD POSITION	Use the and ◄ ► buttons to adjust the OSD position		Adjusts the OSD horizontal position.
OSD TIMEOUT	3SEC--10SEC--20SEC		Adjusts OSD display and on-screen time.
OSD LANGUAGE	English--Spanish--French		Sets the language for the OSD.
SLEEP TIMER	Use the ▲ ▼ buttons to set the display off time mode.		Set the display off time for each mode (OFF/30 MIN/60MIN/120 MIN).
I/P INFO	To display information about the input signal.		Displays information about the input signal.
FACTORY RESET	ON	OFF	Resets all settings to FACTORY defaults.
SCREEN SAVER	OFF↔ 5Min↔15Min → 30Min		This moves the picture around the screen in small shift, at set intervals to reduce the panel image retention. This prevents stationary objects such as screen logos, from leaving a slight image visible after they should have disappeared.
SCREEN WIPE	ON	60Min	Select on (continuous operation) or 60Min (time limit operation) and press the enter key.
STANDBY WHITE	OFF↔ 30Min ↔ 60Min		This function is also provided to prevent image retention. If time is set for this item, the screen changes to the white pattern when the monitor enters power save mode and it will continue for the period of the setting time.
INVERSE	ON	60Min	This function can change each level of RGB signal invert to reduce the panel image retention. When this function is required. Select on (continuous operation) or 60Min (time limit operation) and press the enter key.

OTHER FEATURES

Automatic Store

Approximately 1 sec. after adjustment is completed, the adjustments will be recorded as shown in the table below.

Menu	Display	Registration condition
	CONTRAST	For every input function, 1 setting is registered.
	BRIGHTNESS	
	COLOR	
	TINT	
	COLOR TEMP	
	FLESHTONE	
	SHARPNESS	
	BASS	For every Audio Mode, 1 setting is registered.
	TREBLE	
	BALANCE	1 setting is registered.
	SURROUND	For every Audio Mode, 1 setting is registered.

Menu	Display	Registration condition
	PIP POSITION	1 setting is registered.
	PIP SIZE	
	MULITI PIP	
	OSD POSITION	1 setting is registered.
	OSD TIMEOUT	
	OSD LANGUAGE	
	SLEEP TIMER	
	I/P INFO	
	FACTORY RESET	
	SCREEN SAVER	
	SCREEN WIPE	
	STANDBY WHITE	
	INVERSE	

The previously recorded items will be lost.
The signal mode can be identified by the horizontal/vertical sync frequency and the sync signal polarity. Different signals where all the elements are the same or similar will be handled as the same signal.

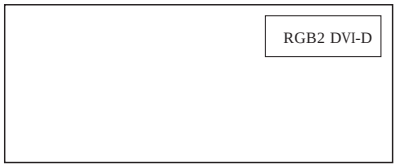
OTHER FEATURES (continued)

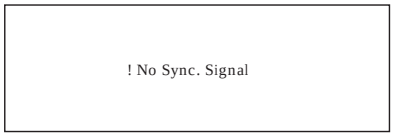
Signal Check

Changes in the signal status are displayed on the screen.

Status	Display	Action
When Mode display is set to ON, the input signal is switched or when the RECALL button is pressed.	A guide is displayed for the input terminal and the horizontal and vertical sync frequency.	_____
When the sync signal is no longer detected.	A guide displays No Sync. Signal, and Power Save (for approx. 5 sec.) When the condition continues where the sync signal cannot be detected, indicator lamp of power source changes to orange and the mode switches to power save mode.	Recheck the personal computer power switch status and the connection status.
When the input signal does not match the monitor specifications or is in an unstable status.	A guide displays Invalid Scan Freq.	Recheck the input signal specifications.

RGB





Power Save Mode

When the RGB1, RGB2 input is selected

When this unit is connected to a VESA DPMS computer, the Power Save (Off) mode can be set to be activated automatically when the computer is not being used to reduce power consumption by this unit.

RGB sync signal	Horizontal	Yes	No	Yes	No
	Vertical	Yes	Yes	No	No
PC signal		Active (normal display)	Blank (no display)		
Operation mode		On	Off		
Indicating lamp		Lights green	Lights orange		
Power consumption		310W	3W or less (RGB1,RGB2)		

Returning to operating status

Operate the personal computer, or press either the INPUT SELECT button of the main unit or the RGB1/RGB2 buttons of the remot e control.

IMAGE RETENTION OF PLASMA DISPLAY

There are different characteristics that result in panel image retention depending on how the plasma display is used. Situations and effective usage methods related to ghosting are provided below.

Image retention characteristics of a plasma display

The image retention phenomenon of a plasma panel occurs because of partial phosphor degradation arising from partial character and figure display.

For example, when the character image as shown in Fig. A at the right is continuously displayed for a long period of time, the only part of the phosphor (Red, Green, Blue) that will degrade will be the color of the applicable character display portion. Consequently, when a white image is displayed on the entire screen as shown in Fig. a, the character marks displayed up to that time will become a color difference visible to the eye.

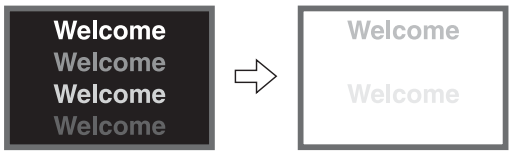


Fig. A Fig. a

■ The degree of image retention is proportional to the brightness of the characters and figures displayed as well as the display time.

- The tendency of the phosphor is to degrade more the brighter the characters and figures are displayed. When images of figures with different levels of brightness, as shown in Fig. B, are continuously displayed for a long period of time, it becomes easier to see image marks at locations when the brighter figures are displayed to see.

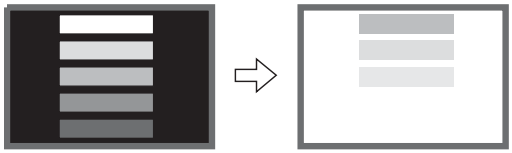


Fig. B Fig. b

* The image retention images in this document are exaggerated for the purpose of explanation. The actual manner in which the image retention is seen differs depending on the operation time and brightness.

Methods to Reduce the Occurrence of Image Retention

- Lower the Contrast and Brightness settings of the plasma display as much as possible.

- Set the plasma monitor to "Screen Wipe" or "Inverse" display.
  The occurrence of image retention when displaying images of identical patterns, such as static images, for long periods of time can be reduced by displaying a reversed color or completely white screen for about 1 ~ 2 hours after terminating the display.

- Using in combination with moving images
  Since the degradation of the fluorescent material progresses comparatively uniformly for moving images, the occurrence of partial image retention can be minimized by usage in combination with moving images such as DVDs.
  * Please be careful since image retention will occur if display is left in a two screen display state for a long period of time.
  * Television broadcasts include images displayed for long periods of time in which the left and right or top and bottom of the image are cut and broadcast station name or time are displayed in the same portion of the screen. Image retention in these portions can

NOTES

About screen defects

- High precision technology is used in the making of plasma panels but there may be dark spots (points that do not illuminate) and bright spots (points that are too bright) in some cases. These do not indicate a malfunction.

About residual images

- In some cases, residual images may remain after the short-term display of still images, but these will disappear and return to normalcy. This is not a malfunction.

About the panel screen

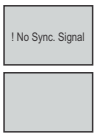
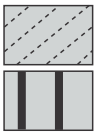
- Plasma displays create images by means of electrical discharges inside the panel. Because of this, the temperature of the panel surface may rise in some cases. Also, plasma displays are made of finely processed glass. A reinforced glass filter is installed over the panel surface but avoid strong impact because there is still danger of glass breakage.

TROUBLESHOOTING

Symptoms

If the point to check does not correct the symptoms, please contact your local Service center for assistance.

> ⚠ WARNING
> Self servicing can be hazardous.

Symptom		Point to check	See Page
There is no picture and the power-indicating lamp is off.		Check to see that the power cable is properly connected. Press the main switch.	17 ①
The message “No cable connected” or “Going to sleep” is displayed. There is no picture and the power indicating lamp lights orange.		No sync signal is detected. Check that the signal cable is properly connected. Make sure that the computer, imaging equipment, etc., is turned on. Make sure the computer is not in power-save mode. Ensure that the input selection matches the connection terminal.	15
The message “Invalid Scan Freq.” is displayed.		An input signal is received abnormally. Ensure that the input signal matches the monitor specifications. Check to see that the signal cable is properly connected.	15
The power indicating lamp is lit normally but there is no picture.		Check the contrast and brightness settings (adjust them for higher contrast and brightness). Check to see that the signal cable is properly connected.	20 15
The display image appears slanted. Text displayed across the screen appears vertically streaked, with the characters in vertical columns blurred.		Adjust the clock frequency and the phase. (Adjust the clock frequency first, the dot clock phase next.) (RGB input)	21 15
Text displayed across the screen appears blurred. A fine pattern flickers when displayed on the screen.		Adjust the clock phase till the desired clarity is obtained. (RGB input)	21 15
The remote control does not work.		Ensure that the batteries in the remote control are inserted with the correct polarity. Check to see that the batteries in the remote control are functional.	12

TROUBLESHOOTING (continued)

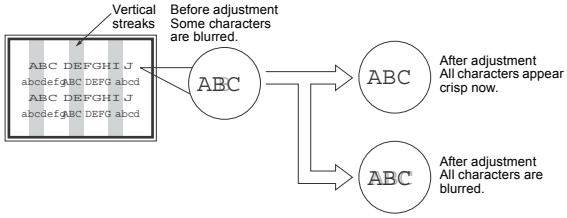
Symptoms (continued)

Symptom	Point to check	See Page
The temperature of the display panel surface is warm.	The plasma display panel works by lighting phosphors. In some cases, this may cause the temperature of the panel surface to increase. Please note that this is not a malfunction.	-
Points that do not light, points with brightness different from that of the periphery, points with color different from that of the periphery, etc.	High-precision technology is used to manufacture the plasma display panel, However over the life of the plasma panel, a few pixel elements may fail. This is not to be considered a defect in the panel.	-
Vertical stripes appear, depending on the screen contents.	The plasma display panel works by lighting the phosphors on it by the discharge of internal radiation. Depending on the screen contents, in rare cases, this may cause vertical stripes to appear because of its failure to light the relevant pixels. Please note that this is not a malfunction.	-
Coarse horizontal stripes appear in FULL display.	Adjusting the Clock Phase will reduce the horizontal stripes. (RGB input)	21
The screen flickers in the form of horizontal lines oscillating up and down. (PC INPUT MODE only)	If the frequency from the computer is below 85Hz, try a higher frequency (to a maximum limit of 85Hz). There may be a slight attenuation of the current image.	-
The top surface of the monitor heats up.	When used for long periods of time, the top surface of the monitor may heat up. This is not a malfunction.	-
Text characters are displayed with varying thickness.	The thickness of characters and lines may vary when images with a vertical resolution greater than 480 lines are displayed; however this is not a malfunction.	-
The display does not seem bright enough.	The ambient temperature of the monitor may be low. Ambient temperatures less than about 15° degrees, may cause lower luminance. The panel protection circuit automatically lowers the luminance, and is not a malfunction. The luminance will be restored when power is turned on for a while.	-
The display does not seem bright enough. (RGB input)	The setup-frequency setting in RGB input may be set to PC mode. When set to PC mode, the luminance is lowered by about 10% than when set as Movie mode. This is not a malfunction. If you do not mind flicker on the display, please switch to Movie mode.	-

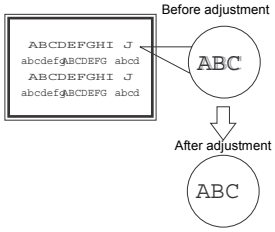
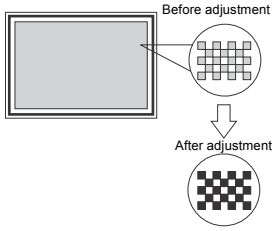
TROUBLESHOOTING (continued)

Abnormal Displays Corrections RGB 1 Only

Depending on the kind of system equipment used, images may not be displayed normally. In this case, make the adjustments suggested below. (only for RGB1)

Symptom 1	Text displayed across the screen appears vertically streaked, with some characters blurred (figure 1). The display image appears flowing (figure 2) (RGB input).
Example	Figure 1 
Adjustment procedure	1) Press the MENU button. The Main Menu will be displayed. 2) Press the ▼ SELECT button and Select Setup. 3) Press the ENTER button. The Setup Menu will be displayed. 4) Press the ▼ SELECT button and select Auto Adjust.
	When adjustment is not possible with Auto Adjust: 5) Press the MENU button. The Main Menu will be displayed. 6) Press the ▼ SELECT button and select Setup. 7) Press the ENTER button. The Setup Menu will be displayed. 8) Press the ▼ SELECT button and select Horizontal Clock. (Displays fine patterns as characters or a vertical striped pattern over the entire screen during Horizontal Clock adjustment.) 9) Press the ◀ or ▶ ADJUST buttons and search for clear characters over the entire screen. 10) Perform adjustment for symptom 2 below, when the characters are blurred on the entire screen.

• The display image may be momentarily disturbed during clock adjustment but this is not a failure.

Symptom 2	Text displayed across the screen appears blurred in its entirety (figure 2). A fine pattern flickers when displayed on the screen (figure 3).	
Example	Figure 2  	Figure 3 
Adjustment procedure	1) Press the MENU button. The Main Menu will be displayed. 2) Press the ▼ SELECT button and Select Setup. 3) Press the ENTER button. The Setup Menu will be displayed. 4) Press the ▼ SELECT button and select Auto Adjust.	
	When adjustment is not possible with Auto Adjust 5) Press the MENU button. The Main Menu will be displayed. 6) Press the ▼ SELECT button and select Setup. 7) Press the ENTER button. The Setup Menu will be displayed. 8) Press the ▼ SELECT button and select Clock Phase. (Displays fine patterns as characters or a vertical striped pattern over the entire screen during Clock Phase adjustment.)	
	9) Press ◀ or ▶ ADJUST buttons to make the text appear clean across the screen.	9) Press ◀ or ▶ ADJUST buttons to make the text appear without flickering.

PRODUCT SPECIFICATIONS

Panel	Display dimensions	Approx. 42 inches (920 (H) x 518 (V) mm, diagonal 1059mm)
	Resolution	852 (H) x 480 (V) pixels
Net dimensions		1030 (W) x 636 (H) x 91 (D) mm
Net weight		33.7 kg
Ambient conditions	Temperature	Operating: 5°C to 35°C, Storage: -15°C to 60°C
	Relative humidity	Operating: 20% to 80%, Storage: 20% to 90% (non-condensing)
Power supply		AC100 - 240V, 50/60Hz
Power consumption/at standby		310W / <3W
Audio output		10W + 10W (6Ω) (Without speaker)
(RGB input)		
Input signals	Input terminals	RGB1-VGA audio input terminal (3.5mm Stereo Mini Jack) RGB1-VGA analog RGB input terminal (D-sub 15-pin) RGB2 DVI-D input terminal (DVI-D) RGB2 DVI-D audio input terminal (3.5mm Stereo Mini Jack)
	Video signals	0.7 V
	Sync signals	H/V separate, TTL level [2kΩ] H/V composite, TTL level [2kΩ] Sync on green, 0.3 Vp-p [75Ω]
Recommended signal		42 modes
(Video input)		
Input signals	Input terminals	AV1 : Composite video input terminal(RCA) AV1 : S video input teminal AV1 : L/R audio input terminal(RCA) AV2 : Composite video input terminal(RCA) AV2 : S video input teminal AV2 : L/R audio input terminal(RCA) AV3 : Component input (Y-CbCr) (RCA) AV3 : L/R audio input terminal(RCA) AV4 : Component input (YPbPr/ YCbCr) (RCA) AV4 : L/R audio input terminal(RCA)
	Video signals	AV1 : NTSC-M AV2 : NTSC-M AV3 : 480i AV4 : 480i , 480p , 1080i/60 , 720p/60
Video output Signal		OUTPUT (MONITOR): composite video monitor-output terminal (RCA) OUTPUT (MONITOR): L/R audio monitor- output terminal (RCA)
Recommended signal		5 modes

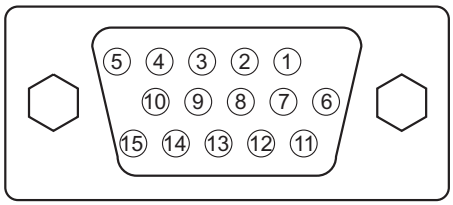
• It takes at least 30 minutes to attain the maximum picture quality.

PRODUCT SPECIFICATIONS (continued)

Signal Input

RGB1 Input (D-sub 15-pin connector)

Pin	Input signal
1	R
2	G or sync on green
3	B
4	No connection
5	No connection
6	R.GND
7	G.GND
8	B.GND
9	No connection
10	GND
11	No connection
12	[SDA]
13	H. sync or H/V composite sync
14	V.sync. [V.CLK]
15	[SCL]
Frame	GND



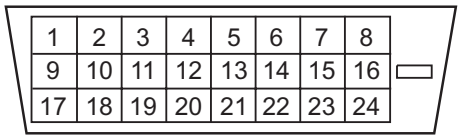
- When different kinds of input signals are simultaneously input to the monitor via a graphics board or the like, the monitor will automatically select the signals in the following priority order:

Sync signal type	Priority
H/V separate sync.	1
H/V composite sync.	2
sync.on Green *	3

*Even in the case of the recommended signals shown on the following page, there may be instances when correct display is not possible. In this case, use H/V separate sync, or H/V composite sync.

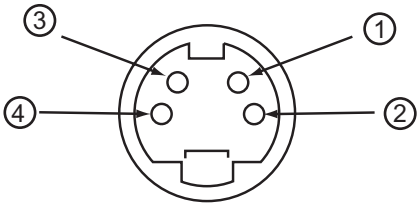
RGB2 (DVI-D) Input

Pin	Input signal	Pin	Input signal
1	T.M.D.S. Data2-	14	+5V Power
2	T.M.D.S. Data2+	15	Ground (for+5V)
3	T.M.D.S. Data2/4 Shield	16	Hot Plug Detect
4	T.M.D.S. Data4-	17	T.M.D.S. Data0-
5	T.M.D.S. Data4+	18	T.M.D.S. Data0+
6	DDC Clock	19	T.M.D.S. Data0/5 Shield
7	DDC Data	20	T.M.D.S. Data5-
8	No Connect	21	T.M.D.S. Data5+
9	T.M.D.S. Data1-	22	T.M.D.S. Clock Shield
10	T.M.D.S. Data1+	23	T.M.D.S. Clock+
11	T.M.D.S. Data1/3 Shield	24	T.M.D.S. Clock-
12	T.M.D.S. Data3-	Frame	GND
13	T.M.D.S. Data3+		



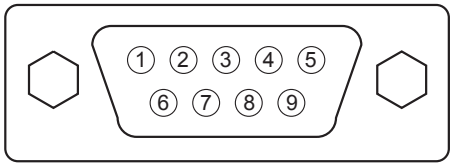
S-input connector pin specifications

Pin	Input signal
1	Y
2	Y-GND
3	C
4	C-GND
Frame	GND



RS-232C connector pin specifications

Pin	Input signal	Remarks
1	NC	
2	RXDO	Received Data
3	TXDO	Transmit Data
4	NC	
5	GND	Singal Ground
6	NC	
7	NC	
8	NC	
9	NC	
Frame	GND	



PRODUCT SPECIFICATIONS (continued)

Recommended Signal List

With Analog RGB signal input (RGB 1 input)

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)	Remarks
	Signal name	Resolution	Vertical frequency (Hz)			
1	VGA	640 x 400	70.08	31.47	25.18	
2		640 x 480	59.94	31.47	25.18	
3	W-VGA	864 x 480	59.94	31.47	34.24	WVGA type: On
4	VESA	640 x 480	72.81	37.86	31.50	
5		640 x 480	75.00	37.50	31.50	
6		640 x 480	85.01	43.27	36.00	
7		800 x 600	56.25	35.16	36.00	
8		800 x 600	60.32	37.88	40.00	
9		800 x 600	72.19	48.08	50.00	
10		800 x 600	75.00	46.88	49.50	
11		800 x 600	85.06	53.67	56.25	
12		1024 x 768	60.00	48.36	65.00	
13		1024 x 768	70.07	56.48	75.00	
14		1024 x 768	75.03	60.02	78.75	
15		1024 x 768	85.00	68.68	94.50	
16		1152 X 864	75.00	67.50	108.00	
17		1280 X 1024	60.02	63.98	108.00	
18		1600 X 1200	60.00	75.00	162.00	
19	Macintosh	640 X 480	66.67	35.00	30.24	
20		832 X 624	74.55	49.72	57.28	
21		1024 X 768	74.93	60.24	80.00	
22		1152 X 870	75.06	68.68	100.00	
23	W-XGA	1280 x 768	59.833	47.986	81.00	
24		1280 x 768	69.997	56.137	94.760	
25		1366 x 768	60.015	47.712	89.50	

- The type of video board or connecting cable used, may not allow for correct display adjustment of Horizontal Position, Vertical Position, Horizontal Clock and Clock Phase.
- The monitor may fail to display an animation image correctly when a signal having a vertical frequency of 85Hz or higher is input to it.
- The monitor differentiates the signal modes according to the horizontal and vertical frequencies and the horizontal and vertical sync signal polarities. Note that different signals having all these elements alike may be handled as the same signal.
- Displaying images with more than 480 lines of vertical resolution at Full dis lay (compressed display) can result in the interpolation of stripes.

With Digital RGB signal input (RGB 2 input)

No.	Signal mode			Horizontal frequency (kHz)	Dot clock frequency (MHz)
	Signal name	Resolution	Vertical frequency (Hz)		
1	VGA	640 x 400	70.08	31.47	25.18
2		640 x 480	59.94	31.47	25.18
3	W-VGA	864 x 480	59.94	31.47	34.24
4	VESA	640 x 480	72.81	37.86	31.50
5		640 x 480	75.00	37.50	31.50
6		640 x 480	85.01	43.27	36.00
7		800 x 600	56.25	35.16	36.00
8		800 x 600	60.32	37.88	40.00
9		800 x 600	72.19	48.08	50.00
10		800 x 600	75.00	46.88	49.50
11		800 x 600	85.06	53.67	56.25
12		1024 x 768	60.00	48.36	65.00
13		1024 x 768	70.07	56.48	75.00
14		1024 x 768	75.03	60.02	78.75

15	480p	720 x 480	59.94	31.47	27.00
16	720p/60	1280 x 720	60.00	45.00	74.25
17	1080i/60	1920 x 1080	60.00	33.75	74.25

Make sure that the signal of the equipment to be connected is compatible with the specifications on this list.

With Composite Input and S-video Input (AV1~AV2 input)

No.	Signal mode			Horizontal frequency (kHz)	Remarks
	Signal name	Resolution	Vertical frequency (Hz)		
1	NTSC-M	525	59.94	15.734	

With Y, Cb, Cr input (AV3 component input)

No.	Signal mode			Horizontal frequency (kHz)	Remarks
	Signal name	Resolution	Vertical frequency (Hz)		
1	480i	480i	60	15.734	

With Y, Cb, Cr / Y, Pb, Pr input (AV4 component input)

No.	Signal mode			Horizontal frequency (kHz)	Remarks
	Signal name	Resolution	Vertical frequency (Hz)		
1	480i	480	60	15.734	
2	480p	480	60	31.47	
3	1080i	1080i	60	33.75	
4	720p	720	60	44.96	

- The monitor differentiates the signal modes according to the horizontal and vertical frequencies and the horizontal and vertical sync signal polarities. Note that different signals having all these elements alike may be handled as the same signal.
- Displaying images with more than 480 lines of vertical resolution at Full display (compressed display) can result in the interpolation of stripes.

Customer Support

For technical support or product service, see the table below or contact your reseller.

NOTE: You will need the product serial number.

Country/ Region	Web site	T = Telephone F = FAX	Email
United States	www.viewsonic.com/ support	**T:** (800) 688-6688 **F:** (909) 468-1202	service.us@ viewsonic.com
Canada	www.viewsonic.com/ support	**T:** (800) 688-6688 **F:** (909) 468-1202	service.ca@ viewsonic.com
United Kingdom	www.viewsoniceurope.com	**T:** 0800 833 648 **F:** (01293) 643910	service.eu@ viewsoniceurope.com
Europe, Middle East, Baltic countries, and North Africa	www.viewsoniceurope.com	Contact your reseller	service.eu@ viewsoniceurope.com
Australia and New Zealand	www.viewsonic.com.au	**T:** +61 2 9906 6277 **F:** +61 2 9906 6377	service@au. viewsonic.com
Singapore/ Malaysia/Thailand	www.viewsonic.com.sg	**T:** 65 273 4018 **F:** 65 273 1566	service@sg. viewsonic.com
South Africa/ Other countries	www.viewsonic.com	**T:** 886 2 2246 3456 **F:** 886 2 8242 3668	service@sd. viewsonic.com
Hong Kong	www.hk.viewsonic.com	**T:** 886 2 2246 3456 **F:** 886 2 8242 3668	service@hk. viewsonic.com

LIMITED WARRANTY

VIEWSONIC Plasma Display

What the warranty covers:

ViewSonic® warrants its products to be free from defects in material and workmanship, under normal use, during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will at its sole option repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

How long the warranty is effective:

ViewSonic plasma displays are warranted for twelve(12) months for parts, twelve(12) months for labor.

Who the warranty protects:

This warranty is valid only for the first consumer purchaser. For rental units the warranty commences upon the date the product is first put in use.

What the warranty does not cover:

1. **Any product on which the serial number has been defaced, modified or removed.**
2. **If this product was purchased from an unauthorized reseller, there are no warranties, express or implied, including the implied warranty of merchantability and the implied warranty of fitness for a particular purpose and this product is sold strictly "as is" and "with all faults".**

3. **Damage, deterioration or malfunction resulting from:**
   - **a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.**
   - **b. Repair or attempted repair by anyone not authorized by ViewSonic.**
   - **c. Any damage of the product due to shipment.**
   - **d. Removal or installation of the product.**
   - **e. Causes external to the product, such as electric power fluctuations or failure.**
   - **f. Use of supplies or parts not meeting ViewSonic's specifications.**
   - **g. Normal wear and tear.**
   - **h. Damage caused by static (non-moving) images displayed for lengthy periods of time (also referred to as "burn-in").**
   - **i. Any other cause which does not relate to a product defect.**

4. **Removal, installation, transportation, insurance, and set-up service charges.**

How to get service:

1. **For information about receiving service under warranty, contact ViewSonic Customer Support at 800-888-8583. You will need to provide your product's serial number.**
2. **To obtain warranted service, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.**
3. **Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.**
4. **For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.**

Limitation of implied warranties:

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION CONTAINED HEREIN INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Exclusion of damages:

VIEWSONIC'S LIABILITY IS LIMITED TO THE COST OF REPAIR OR REPLACEMENT OF THE PRODUCT. VIEWSONIC SHALL NOT BE LIABLE FOR:

1. **DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN THE PRODUCT, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT, LOSS OF TIME, LOSS OF PROFITS, LOSS OF BUSINESS OPPORTUNITY, LOSS OF GOODWILL, INTERFERENCE WITH BUSINESS RELATIONSHIPS, OR OTHER COMMERCIAL LOSS, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.**
2. **ANY OTHER DAMAGES, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.**
3. **ANY CLAIM AGAINST THE CUSTOMER BY ANY OTHER PARTY.**

Effect of state law:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

Sales outside the U.S.A. and Canada:

For warranty information and service on ViewSonic products sold outside of the U.S.A. and Canada, contact ViewSonic or your local ViewSonic dealer.

Plasma Warranty (V2.2) **Release Date: 11-04-2001**

Power Cord Safety Guidelines

Caution: Use a power cable that is properly grounded. Always use an AC power cord that meets your country's safety standard.

USA..... UL	**Switzerland.....SEV**
Canada ..... CSA	**Britain.....BASE/BS**
Germany..... VDE	**Japan.....Electric Appliance Control Act**

AC PLUG CORD PRECAUTIONS FOR THE UNITED KINGDOM

FOR YOUR SAFETY PLEASE READ THE FOLLOWING TEXT CAREFULLY.

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET THEN THE PLUG SHOULD BE CUT OFF AND DISPOSED OF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO AN APPROPRIATE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.

If in any doubt, please consult a qualified electrician.

WARNING: THIS APPLIANCE MUST BE EARTHED.

IMPORTANT: The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow:	**Earth**
Blue:	**Neutral**
Brown:	**Live**

If the coloured wires of the mains lead of this appliance do not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire which is coloured GREEN-AND-YELLOW must be connected to the terminal in the plug which is marked by the letter E or by the Earth symbol or coloured GREEN or GREEN-AND-YELLOW.

The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK. The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

IMPORTANT NOTICE CONCERNING POWER CORD SELECTION

The power cord set for this unit has been enclosed and has been selected according to the country of destination and must be used to prevent electric shock. Use the following guidelines if it is necessary to replace the original cord set, or if the cord set is not enclosed.

The female receptacle of the cord set must meet CEE-22 requirements and may look like (Figure A1 below):

Figure A1

For the United States and Canada

In the United States and Canada the male plug is a NEMA5-15 style (Figure A2), UL Listed, and CSA Labeled. For units which are mounted on a desk or table, type SVT or SJT cord sets may be used. For units which sit on the floor, only SJT type cord sets may be used. The cord set must be selected according to the current rating for your unit. Please consult the table below for the selection criteria for power cords used in the United States and Canada.

Figure A2

For the customer in Canada

Notice: This Class B digital apparatus complies with Canadian ICES-003.

Cord Type	Size of Conductors in Cord	Maximum Current Rating of Unit
SJT	18 AWG 16 AWG 14 AWG	10 Amps 12 Amps 12 Amps
SVT	18 AWG 17 AWG	10 Amps 12 Amps

For European Countries

In Europe you must use a cord set which is appropriate for the receptacles in your country. The cord set is HAR-Certified, and a special mark that will appear on the outer sheath, or on the insulation of one of the inner conductors. If you have any questions concerning which proper power cord to use, please consult with the dealer from whom you have purchased the product.

CLEANING AND MAINTENANCE

Cautions When Using the Plasma Display

- Do not bring your hands, face or objects close to the ventilation holes of the plasma display. The top of plasma display is usually very hot due to the high temperature of exhaust air being released through the ventilation holes. Burns or personal injuries may occur if any body parts are brought too close. Placing any object near the top of the display could also result in heat related damages to the object as well as the display itself.
- Be sure to disconnect all cables before moving the plasma display. Moving the display with its cables attached may damage the cables and thus case fire or electric shock danger.
- Disconnect the power plug from the wall outlet as a safety precaution before carrying out any type of cleaning or maintenance procedure.

Front Panel Cleaning Instructions

- The front of the display has been specially treated. Wipe the surface gently using only a cleaning cloth or a soft, lint-free cloth.
- If the surface is particular dirty, soak a soft, lint-free cloth in a mild detergent solution. Wring the cloth to remove excess liquid. Wipe the surface of the display to remove dirt. Then use a dry cloth of the same type to dry.
- Do not scratch or hit the surface of the panel with fingers or hard objects of any kind.
- Do not use volatile substances such as insect sprays, solvents and thinners.

Cabinet Cleaning Instructions

- If the cabinet becomes dirty, wipe the cabinet with a soft, dry cloth.
- If the cabinet is extremely dirty, soak a lint-free cloth in a mild detergent solution. Wring the cloth to remove as much moisture possible. Wipe the cabinet. Use another dry cloth to wipe over until the surface is dry.
- Do not allow any water or detergent to come into contact with the surface of the display. If water or moisture gets inside the unit, operating problems, electrical and shock hazards may result.
- Do not scratch or hit the cabinet with fingers or hard objects of any kind.
- Do not use volatile substances such as insect sprays, solvents and thinners on the cabinet.
- Do not place articles made from rubber or PVC near the cabinet for any extended periods of time.

Avoid Still Images

- Do not allow a still picture to be displayed for extended periods of time. This can cause a permanent image to remain on the plasma display. Examples of still images may include: still computer images, still video game images, still logos or pictures, text and images displayed in 4:3 Normal mode.

Contents of this manual is subject to change without notice.

Trademark Credits

- VGA is a trademark of IBM Corporation.
- Macintosh is a registered trademark of Apple Computer Corporation.
- SVGA is a registered trademark of the Video Electronics Standard Association.
- All other trademarks are the properties of their respective owners.

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- **Reorient or relocate the receiving antenna.**
- **Increase the separation between the equipment and receiver.**
- **Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.**
- **Consult the dealer or an experienced radio/TV technician for help.**

FCC Warning

To assure continued FCC compliance, the user must use grounded power supply cord and the provided shielded video interface cable with bonded ferrite cores. If a BNC cable is going to be used, use only a shielded BNC(5) cable. Also, any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

Instructions to Users

This equipment complies with the requirements of FCC (Federal Communication Commission) equipment provided that the following condition is met. Use the cables which are included with the projector or specified.

Compliance Information for Canada

Notice: This class B digital apparatus complies with Canadian ICES-003.

AVIS: Cet appeil numerique de la Classe B conforme a la norme NMB-003 du Canada.

Compliance Information for European Countries

CE Conformity

The device complies with the requirements of the EEC directive 89/336/EEC as amended by 93/68/EEC Art.5 with regard to “Electromagnetic compatibility,” and 73/23/EEC as amended by 93/68/EEC Art.13 with regard to “Safety.”

User Information for All Countries

NOTICE: Use the cables which are included with the Plasma Display or specified.

ViewSonic® Corporation